IARPA seeks to move high-performance computing beyond CMOS and floating point

March 14, 2013

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Military & Aerospace

Government computer scientists are asking industry for information that could lead to new levels of computational performance with dramatically lower power, space, and cooling requirements than the high-performance computing (HPC) systems of today.

Officials of the Intelligence Advanced Research Projects Agency (IARPA) in Washington issued a request for information Friday (IARPA-RFI-13-02) for the Novel Technologies for High Performance Computing program, which also seeks to broaden the definition of HPC beyond today's floating point benchmarks.

IARPA officials are attempting to gather information for a future program that could involve formal solicitations to industry for advanced computer research. IARPA is the is the research arm of the U.S. Office of the Director of National Intelligence.

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